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PA - (FUJI-N) FUJI CAPSULE KK

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AB - J07133465 Method comprises (1) grinding water and a gelatin sheet having blank holes, made by blanking soft capsule products; (2) swelling the sheet with water to peel off lubricant on the surface of the sheet; and (3) filtering gelatin from the resultant suspension.

- The grinder pref. grinds by shearing or friction.

- USE - Gelatin can be recovered by at least 90% for further recycling.

- In an example, blank gelatin sheets contg. liq. paraffin (lubricant) (10 kg) were cut into 10 cm squares, and introduced into a grinder (MKZA10-20: RTM) with water flow at 10 l/min. for grinding and lubricant peeling. The treated soln. was filtered to separate gelatin. The filtrate was left to stand for sepn. of liq. paraffin and water. The liq. paraffin layer was excluded. The recovered gelatin was found to include 0.25% lubricant (after drying) and to have a viscosity which meets JIS standard. Separately, gelatin sheet recovered by heating at 60 deg. was found to include 0.35% lubricant and to show as low as 53% recovery yield.(Dwg.0/0)

IW - RECOVER GELATIN PRODUCE SOFT CAPSULE GRIND WATER GELATIN SHEET BLANK HOLE SWELLING SHEET FILTER GELATIN SUSPENSION

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NC - 001

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PAW - (FUJI-N) FUJI CAPSULE KK

TI - Recovering gelatin from prodn. of soft capsules - by grinding together water and gelatin sheet having blank holes, swelling the sheet and filtering gelatin from suspension